Quantum

TAPE LIBRARY

Scalar® 50

The scalable, easy-to-operate tape library for mid-range and entry environments

SCALABLE FROM 38 TO 76 SLOTS

SCALAR 50e PROVIDES 26 SLOTS

SCSI, FIBRE CHANNEL, SAS*, OR ISCSI CONNECTIVITY

STORAGECARE™ GUARDIAN PROTECTION

QUANTUM VISION™ MANAGEMENT AND MONITORING

Scalar 50 is the easy-to-use library platform that gives growing mid-range and entry backup environments user-friendly, reliable backup and restore capabilities with features that simplify everything from initial set-up to adding capacity over time.

Easy to operate and maintain, the Scalar 50 provides a user-friendly interface to facilitate set-up and operation. The intuitive set-up wizard takes you through initial configuration step-by-step, so the library is up and running quickly and efficiently. And once the library is set up, our Guardian software will proactively monitor the library to prevent problems and speed issue resolution time. Even keeping up with data growth is simplified with the Scalar 50. Its streamlined scalability enables the library to grow along with your user data—without disruption. Start with 38 slots and scale up to 76 slots as needed.

If you desire the simplicity and reliability of the Scalar 50, but have lower capacity requirements and limited data growth, the Scalar 50e may be a better choice. The Scalar 50e provides 26-slot capacity that is not expandable or scalable.

In addition, the Scalar 50 is designed to integrate easily with disk backup. The result of this forward thinking design is seamless integration with disk by enabling users to manage and monitor multiple Quantum libraries and disk systems from one convenient screen. This feature is enabled with Quantum's Vision software and makes Scalar 50 an excellent choice for integration with disk systems. Flexible IE configuration and removable magazines also make it the perfect library to augment disk based backup architecture.

With the Scalar 50's user-friendly feature set, IT Managers can be assured of high-performance backups, confident restores, easy integration with disk and effective long-term data protection, no matter how their needs evolve over time.

** These features are only available on the 38-76 slot versions; they are not available on the 26-slot Scalar 50e*

DLT ULTRIUM LTO

FEATURES AND BENEFITS

- **User-friendly** – for the simplest possible installation, operation, scaling* and maintenance
- **StorageCare Guardian** – delivers proactive monitoring and integrated RAS notification, which sends email alerts to your designated operator for rapid problem resolution
- **Quantum Vision** – single window monitoring and management of Quantum disk and tape libraries
- **Disk-friendly** – the Scalar 50 solution is designed specifically to support operations with disk, for seamlessly integrated backup and archive processes
- **Advanced features** – such as partitioning*, multiple drive type and connectivity choices, including SCSI, iSCSI, SAS* and Fibre Channel
- **Streamlined expansion*** – enables the library to easily expand to accommodate data growth
- **Warranty** – one-year next business day standard warranty. Additional 5x9x8 and 7x24x4 service contract upgrade response levels are also available. Professional installation and integration services are available

www.quantum.com

diskontcomputer.com
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Traunuferstrasse 110
4052 Ansfelden, Austria

SCALAR 50 TAPE LIBRARY

TECHNICAL SPECIFICATIONS

SCALAR 50 (per library module)

	Drives	Max Native Performance	Cartridges	Max Native Capacity
LTO-4	1 to 2	864GB/Hr	38	30.4TB
LTO-4HH	1 to 4	1,150GB/Hr	38	30.4TB
DLT-S4	1 to 2	432GB/Hr	32	25.6TB
LTO-3	1 to 2	576GB/Hr	38	15.2TB
LTO-3HH	1 to 4	980GB/Hr	38	15.2TB
Magazines	2 (15 slot DLT or 18 slot LTO)			
Loadport	0/5/10/15/30 (DLT) or 0/6/12/18/24/36 (LTO)			
Barcode Reader	Standard			
Remote Management	Standard			
Dimensions H×W×D, in. (cm)	6.75×17.05×32.78 (17.15×43.31×83.26)			
Rack Space Required	4U			
Weight lbs (kg)	52 (23.6)			

SCALAR 50e

	Drives	Max Native Performance	Cartridges	Max Native Capacity
LTO-4	1 to 2	864GB/Hr	26	20.8TB
LTO-3HH	1 to 4	980GB/Hr	26	10.4TB
Magazines	2 (18 and 6 slots)			
Loadport	0/6/12/18/24			
Barcode Reader	Standard			
Remote Management	Standard			
Dimensions H×W×D, in. (cm)	6.75×17.05×32.78 (17.15×43.31×83.26)			
Rack Space Required	4U			
Weight lbs (kg)	52 (23.6)			

COMPATIBILITY

Software/Hardware: Go to www.quantum.com/compatibility for the most up-to-date tested solutions

Scalability*: With optional library expansion module two Scalar 50 library modules can be combined for easy scalability

RELIABILITY

MTBF: 250,000 hours (on-hours)
MSBF: 2 million load/unload swaps
MTTR: Less than 30 minutes

HOST INTERFACES

LTO-4: Ultra 320 SCSI/4Gb/sec Fibre Channel/SAS 8088*
LTO-3: Ultra 160 SCSI/2Gb/sec Fibre Channel
DLT-S4*: 4Gb/sec Fibre Channel/SCSI Ultra 320
TC2201: Two 1Gb/sec Ethernet (GbE) × two Ultra320 SCSI, 1 slot cPCI form factor

MANAGEMENT REQUIREMENTS

Management Requirements: Integrated Web-based Management is standard

ENVIRONMENTAL

Operating
- **Temperature °F (°C):** +50° to +95° (+10° to +35°)
- **Humidity:** 20% to 80% non-condensing
- **Altitude (ft. maximum):** -500 to 10,000 feet (-153m to 3048m)

Non-Operating
- **Temperature °F (°C):** -40° to +149° (-40° to +65°)
- **Humidity (%):** 10% to 90% non-condensing
- **Altitude (ft. maximum):** -500 to 40,000 feet (-153m to 12192m)

POWER REQUIREMENTS

Input Voltage: 90-264 VAC
Frequency: 47 to 63 Hz
Consumption: 900W Fully Populated, average
Heat Load: 3070 BTU/Hr fully populated, average
Heat Dissipation: Scalar 50 300W (fully loaded)
Power Cord (U.S. Included): US NEMA 5-15P

AGENCY APPROVALS

Safety: UL 60950-1 First Edition (Safety of Information Technology Equipment), CSA C22.2 No. 60950-1-03 First Edition. Evaluated for US and Canada, IEC 60950-1, First Edition (2001) CB Scheme including CB Certificate (evaluated with deviations for all countries), EN 60950-1:2001. GS Certificate (NEMKO preferred)
EMI/RFI: CISPR22/EN 55022 Class A
Agency Markings: CE, VCCI, FCC, CSA

WARRANTY

One-year next business day and StorageCare™ Guardian Remote Monitoring.

** These features are only available on the 38-76 slot versions; they are not available on the 26-slot Scalar 50e*

Scalar 50 Model Numbers and Descriptions

LSC05-CH4L-138A	1 LTO-4 SCSI drive, 38 slots
LSC05-CH4L-238A	2 LTO-4 SCSI drives, 38 slots
LSC05-CH4G-138A	1 LTO-4 native Fibre Channel drive, 38 slots
LSC05-CH4G-238A	2 LTO-4 drives, 38 slots, native Fibre Channel
LSC05-CH4M-138H	1 LTO-4HH SAS drive, 38 slots
LSC05-CH4M-238H	2 LTO-4HH SAS drives, 38 slots,
LSC05-CH3L-138A	1 LTO-3 SCSI drive, 38 slots
LSC05-CH3L-238A	2 LTO-3 SCSI drives, 38 slots
LSC05-CH3G-138A	1 LTO-3 native Fibre Channel drive, 38 slots
LSC05-CH3G-238A	2 LTO-3 native Fibre Channel drives, 38 slots
LSC05-CQ3L-138H	1 LTO-3HH SCSI drive, 38 slots
LSC05-CQ3L-238H	2 LTO-3HH SCSI drives, 38 slots
LSC05-CQ3G-138H	1 LTO-3HH native Fibre Channel drive, 38 slots
LSC05-CQ3G-238H	2 LTO-3HH native Fibre Channel drives, 38 slots
LSC05-CS4L-132A	1 DLT-S4 SCSI drive, 32 slots
LSC05-CS4L-232A	2 DLT-S4 SCSI drives, 32 slots
LSC05-CS4G-132A	1 DLT-S4 native Fibre Channel drive, 32 slots
LSC05-CS4G-232A	2 DLT-S4 native Fibre Channel drives, 32 slots
LSC05-CL0F-038A	LTO Expansion module native Fibre Channel 38 slots
LSC05-CL0L-038A	LTO Expansion module SCSI 38 slots
LSC05-CL0M-038A	LTO Expansion module SAS 38 slots

Scalar 50e Model Numbers and Descriptions

LSC05-CH4L-126A	1 LTO-4 SCSI drive, 26 slots
LSC05-CH4L-226A	2 LTO-4 SCSI drives, 26 slots
LSC05-CH4G-126A	1 LTO-4 native Fibre Channel drive, 26 slots
LSC05-CH4G-226A	2 LTO-4 native Fibre Channel drives, 26 slots
LSC05-CQ3L-126A	1 LTO-3HH SCSI drive, 26 slots
LSC05-CQ3L-226A	2 LTO-3HH SCSI drives, 26 slots
LSC05-CQ3G-126A	1 LTO-3HH native Fibre Channel drive, 26 slots
LSC05-CQ3G-226A	2 LTO-3HH native Fibre Channel drives, 26 slots
LSC05-CL0L-026A	0-drive library, SCSI, 26 slots
LSC05-CL0F-026A	0-drive library, native Fibre Channel, 26 slots

For contact and product information, visit quantum.com or call 800-677-6268

Quantum®

Backup. Recovery. Archive. It's What We Do.

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About Quantum

Quantum Corp. (NYSE:QTM) is the leading global storage company specializing in backup, recovery and archive. Combining focused expertise, customer-driven innovation, and platform independence, Quantum provides a comprehensive range of disk, tape, media and software solutions supported by a world-class sales and service organization. This includes the DXi™-Series, the first disk backup solutions to extend the power of data deduplication and replication across the distributed enterprise. As a long-standing and trusted partner, the company works closely with a broad network of resellers, OEMs and other suppliers to meet customers' evolving data protection needs.

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